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Alberta
ADVANCED EDUCATION

JANUARY 1990

Post-Secondary Education Statistics — Alberta

1980-81 to 1989-90

	Actual		Estimated	
Enrolment*	1980-81	1985-86	1988-89	1989-90
Full-Time Enrolment				
Secondary (Public and Separate Schools)				
Senior High (Grade 10-12 + Sr. High Spec. Ed.)	102,883	104,924	105,432	106,144
Grade 12	32,725	35,401	37,550	37,971
Post Secondary (Credit Programs)				
Universities (U of A, U of C, U of L) - Fall	30,852	41,932	44,199	45,491
Undergraduate	**27,917**	**37,871**	**39,787**	**40,987**
Male	14,750	19,624	19,905	20,223
Female	13,167	18,247	19,882	20,764
Graduate	**2,935**	**4,061**	**4,412**	**4,504**
Male	1,869	2,388	2,583	2,640
Female	1,066	1,673	1,829	1,864
Public Colleges[1] - Fall	10,504	17,490	19,745	20,500
Private Colleges[2]	818	1,487	2,100	2,250
Technical Institutes[3]	9,535	11,302	12,089	12,135
Hospital-Based Schools of Nursing[4]	1,172	1,562	1,534	1,550
TOTAL	**52,881**	**73,773**	**79,667**	**81,926**
Part-Time Enrolment				
Post-Secondary (Credit Programs)				
Universities (U of A, U of C, U of L) - Fall	7,988	10,234	8,807	9,532
Undergraduate	**6,513**	**8,450**	**6,964**	**7,652**
Male	2,522	2,921	2,347	2,526
Female	3,991	5,529	4,617	5,126
Graduate	**1,475**	**1,784**	**1,843**	**1,880**
Male	899	900	946	960
Female	576	884	897	920
Athabasca	4,028	9,557	11,056	11,200
Banff Centre	1,595	1,356	1,340	1,340
Public Colleges[1] - Fall	6,679	10,131	12,867	13,225
Private Colleges[2]	223	224	258	285
Technical Institutes[3,5]	15,099	27,396	33,881	35,575
TOTAL	**35,612**	**58,898**	**68,209**	**71,157**
Registrations for Provincially Administered Institutions				
Full-Time	10,231	19,540	15,876	16,000
Part-Time	N/A	N/A	28,013	32,500
TOTAL[6]	**10,231**	**19,540**	**43,889**	**48,500**

Graduates	Actual 1980-81	1985-86	1987-88	1988-89
Secondary Diplomas	24,082	23,387	22,956	22,280
Post-Secondary				
Universities (U of A, U of C, U of L)				
Bachelor's and First Professional Degrees	**6,499**	**7,937**	**8,230**	**8,182**
Male	3,212	3,792	4,023	3,848
Female	3,287	4,145	4,207	4,334
Certificates and Diplomas	**234**	**335**	**319**	**384**
Male	102	109	99	108
Female	132	226	220	276
Master's Degrees	**753**	**1,036**	**1,133**	**1,213**
Male	450	592	603	677
Female	303	444	530	536
Doctorates	**219**	**216**	**255**	**284**
Male	163	153	165	200
Female	56	63	90	84
Public Colleges				
Diplomas	1,671	2,646	2,956	3,000[e]
Certificates	1,147	1,407	1,465	1,475[e]
Technical Institutes				
Diplomas	2,672	3,049	3,257	3,150
Certificates	834	1,232	1,387	1,280
Hospital-Based Schools of Nursing[4]				
Diplomas	367	454	453	437
TOTAL	**14,396**	**18,312**	**19,455**	**19,405**

% Distribution of Bachelor's and First Professional Degrees by Major Field of Study	Actual 1980-81	1985-86	Estimated 1987-88	1988-89
	Percent			
Education	28.6	25.3	23.9	24.0
Fine and Applied Arts	2.2	2.4	2.8	2.5
Humanities and Social Sciences	35.3	37.5	37.4	37.5
Science	14.4	15.7	15.6	15.5
Engineering	9.2	8.8	8.8	9.0
Health	10.3	10.3	11.4	11.5
TOTAL	**100.0**	**100.0**	**99.9**	**100.0**

Expenditure[7]	Actual 1980-81	1985-86	Estimated 1988-89	1989-90
	Millions of Dollars			
Operating Grants (Institutional fiscal years)				
Universities & Banff Centre	236.6	383.7	407.4	441.4
Public Colleges	65.3	141.7	147.5	160.2
Provincially Administered Institutions	15.8	31.9	33.6	36.2
Technical Institutes	76.9	118.0	120.2	127.3
Hospital-Based Schools of Nursing	3.7	10.6	11.8	13.1
TOTAL	**398.3**	**685.9**	**720.5**	**778.2**
Operating and Capital Allocations[8]				
Universities & Banff Centre	302.2	449.8	481.8	504.4
Public Colleges	98.7	179.8	212.3	212.7
Provincially Administered Institutions	16.3	37.8	34.3	37.9
Technical Institutes	111.3	127.2	126.3	135.8
Hospital-Based Schools of Nursing	3.7	11.1	14.4	16.1
TOTAL	**532.2**	**805.7**	**849.1**	**906.9**

Financial Assistance to Students	Actual 1980-81	Actual 1985-86	Estimated 1988-89	Estimated 1989-90
Alberta Heritage Scholarship Fund				
Total number of awards	—	6,130	7,196	7,600
Total amount ($ Millions)	—	8.4	9.8	10.2
Loan and Need Based Grants				
Total number of awards (Need Based Programs)	14,299	50,282	54,800	52,000
Total Loans and Need Based Grants ($ Millions)	38.7	197.2	221.7	218.5

Staff	1980-81	1985-86	1987-88
Full-Time (Academic and Non-Academic)			
Universities (U of A, U of C, U of L & Athabasca)	8,442	9,071	9,280
Banff Centre	337	325	330[4]
Public Colleges	2,192	3,043	3,157
Technical Institutes	2,095	2,653	2,759
Alberta Vocational Centres[5]	500	696	624
TOTAL	**13,566**	**15,788**	**16,150**
Part-Time (Academic and Non-Academic)			
Universitites (U of A, U of C, U of L & Athabasca)	5,391	5,785	6,996
Banff Centre	86	162	90[4]
Public Colleges	1,440	2,231	2,818
Technical Institutes	233	671	619
Alberta Vocational Centres[5]	581	667	829
TOTAL	**7,731**	**9,516**	**11,352**

Estimated % Distribution of Population, 15 years and over, by Educational Attainment	1980 M	1980 F	1985 M	1985 F	1988 M	1988 F	1989 M	1989 F
Grade 8 or less	15.1	13.7	12.6	11.5	10.8	10.3	10.9	9.7
High School	55.6	59.9	49.8	54.5	49.8	52.6	47.9	51.1
Some Post-Secondary	8.9	8.1	10.2	9.6	10.4	10.9	11.3	11.2
Post-Secondary Certificate or Diploma	9.7	10.8	14.7	14.2	15.1	15.3	15.6	16.0
University Degree	10.7	7.5	12.8	10.1	13.9	10.9	14.4	11.9
All Levels	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

Alberta Population	1971	Actual 1985	Actual 1986	Estimated 1988	Estimated 1991
0 - 4 years old	151.7	206.3	205.1	207.4	201.9
5	32.4	37.9	38.4	40.2	41.8
6 - 14	330.3	319.4	317.9	322.6	342.3
15 - 17	100.9	106.8	109.2	104.7	102.5
18 - 24	202.4	310.7	297.9	261.9	245.4
25 - 44	411.8	797.3	815.0	845.9	878.0
45 - 64	279.7	385.3	391.1	407.1	437.7
65+	118.7	184.8	191.3	204.3	222.6
TOTAL[9]	**1,627.9**	**2,348.5**	**2,375.3**	**2,393.8**	**2,472.0**

Selected Indicators	Actual 1980-81	Actual 1985-86	Actual 1987-88	Actual 1988-89
			Percent	
Total Full-Time Post-Secondary Enrolment[10] / Total Population 18 - 24 years old	15.6	23.7	27.4	30.3
Full-Time University Enrolment (U of A, U of C, U of L)				
18 - 24 years old	73.7	69.3	68.4	68.9
25 years old and over	25.1	28.9	30.0	30.7
Female	46.1	47.5	48.3	49.1
Graduate Students	9.5	9.7	9.6	10.0
Change in Post-Secondary Enrolment[11] since 1985-86				
Full-Time	—	—	6.8	7.6
Part-Time	—	—	3.0	16.0
Total Foreign Student / Total Full-Time Enrolment in Universities[12], Public Colleges and Technical Institutes	4.3	4.0	3.9	4.1

Footnotes and Notes

* Unless otherwise indicated, enrolments are for the full year.

e Estimate.

N/A Not available.

1 Includes enrolments at the Alberta College of Art (ACA) which became an independent institution in 1985. Previously, ACA enrolments were included in the Technical Institute sector.

2 Enrolment prior to 1987-88 is an average of Fall and Winter sessions.

3 Figures have been adjusted to exclude ACA enrolments, see Footnote 1.

4 Excludes nursing refresher.

5 Figures from 1982-83 onward have been revised to include enrolment in continuing education for credit. A comparable figure for 1980-81 was not available.

6 Historical data for Alberta Petroleum Industry Training Centre has been included in the Total.

7 Does not include additional funds (*e.g.* supplementary enrolment funding) for 1985-86 and 1986-87.

8 The operating and capital allocations include operating grants, capital formula funding, and capital funding derived from the Capital Fund (buildings and other special capital grants).

9 The total 1986 Alberta population includes estimated data for one or more incompletely enumerated Indian reserves or Indian settlements, for which age distributions are not available.

10 Includes full-time enrolment at the University of Alberta, The University of Calgary, The University of Lethbridge, public colleges, technical institutes, private colleges and hospital-based schools of nursing.

11 Does not include Provincially Administered Institutions.

12 Includes the University of Alberta, The University of Calgary and The University of Lethbridge.

Note: Some enrolment figures have been revised based on changes in definition and/or revised figures provided by institutions.

Sources of Data

Population

- Statistics Canada, 1971 Census of Canada, Catalogue 92-716.
- Statistics Canada, UCSD12R1 Population by Age Group and Sex 1981, July 16, 1982.
- Statistics Canada, Intercensal Annual Estimates of Population by Sex and Age for Canada, Provinces and Territories 1981-1986.
- Statistics Canada, 1986 Census of Canada, Alberta Population and Dwelling Counts, Provinces and Territories, Catalogue 92-117.
- Alberta Bureau of Statistics, Population Projections, Alberta, 1987-2016, Series 5.

Enrolment

- Alberta Education Annual Reports
- Financial and Administrative Support Services, Alberta Education
- The University of Alberta Summary of Statistics
- The University of Calgary Fact Books
- The University of Lethbridge Statistics and Fact Books
- Alberta Advanced Education Annual Reports
- Term Reports submitted by Institutions
- Alberta Advanced Education, Alberta Health and Social Service Education Program Inventory

Expenditure

- Operating and Endowment Support, Alberta Advanced Education

Financial Assistance

- Students Finance Board, Alberta Advanced Education

Staff

- Alberta Advanced Education Statistical Reports

Foreign Students Enrolment

- Foreign Students Reports from Institutions